

FIG. 1

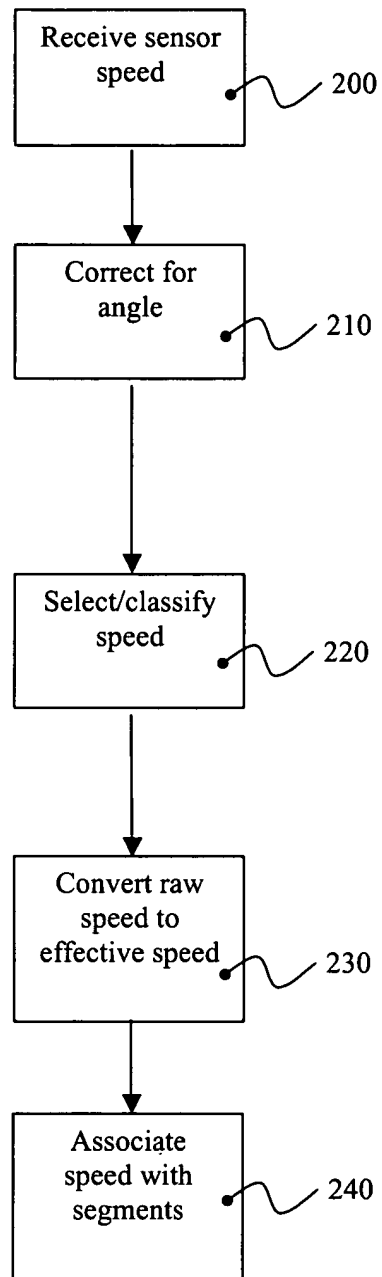


FIG. 2

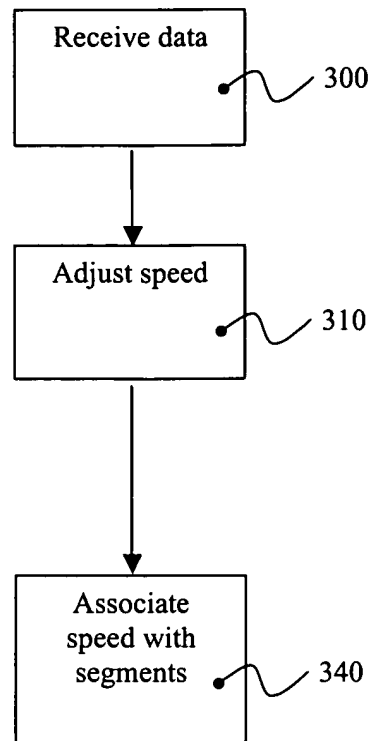


FIG. 3

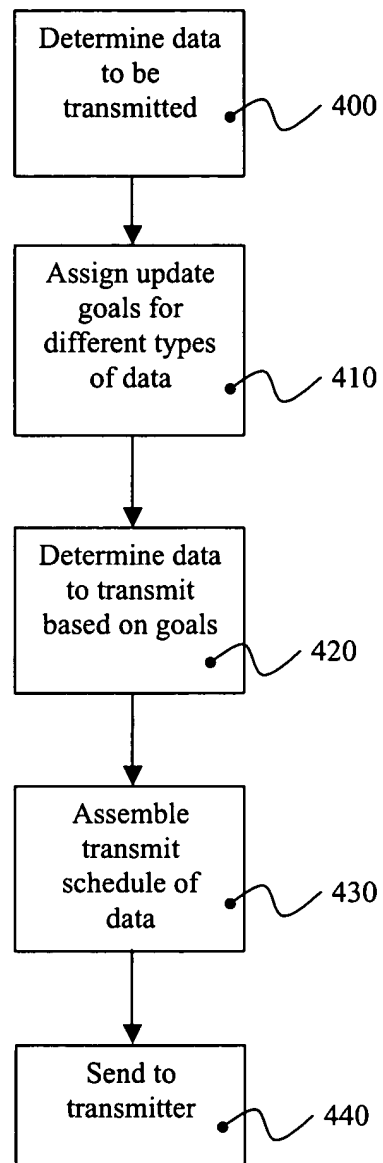
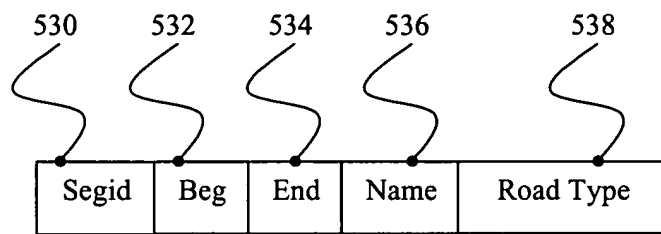
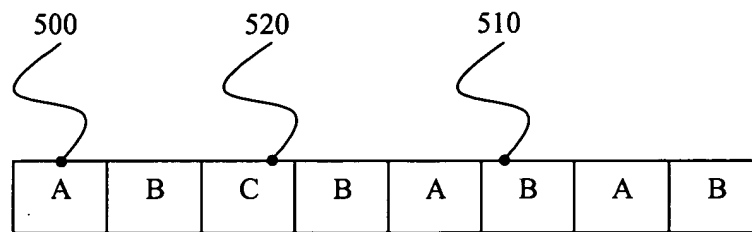
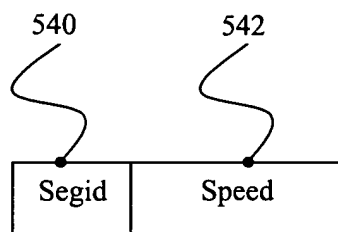


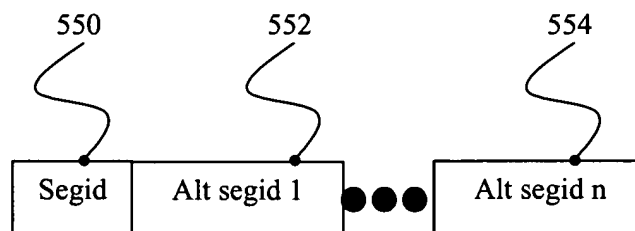
FIG. 4



C. Detailed road segment



B. Speed update



A. Translation packet

FIG. 5

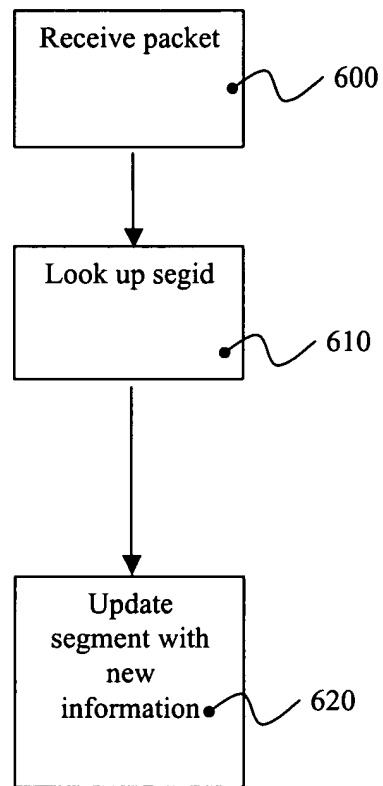


FIG. 6

| Digital Map System |           |      |     |      |      |       |
|--------------------|-----------|------|-----|------|------|-------|
|                    | Beginning |      | End |      |      |       |
| Segid              | Lat       | Long | Lat | Long | Name | Speed |
| 1                  |           |      |     |      |      | 700   |
| 2                  |           |      |     |      |      |       |

| Navigation System |           |      |     |      |      |                |                   |
|-------------------|-----------|------|-----|------|------|----------------|-------------------|
|                   | Beginning |      | End |      |      |                |                   |
| Alt<br>Segid      | Lat       | Long | Lat | Long | Name | Travel<br>time | Segment<br>length |
| A                 |           |      |     |      |      | 720            |                   |
| B                 |           |      |     |      |      |                |                   |
| C                 |           |      |     |      |      |                |                   |
| D                 |           |      |     |      |      |                |                   |

| Translator Packet<br>Information |              |              |              |
|----------------------------------|--------------|--------------|--------------|
| Segid                            | Alt<br>Segid | Alt<br>Segid | Alt<br>Segid |
| 1                                | A            | B            | C            |
| 2                                | D            |              |              |

720 730 740

710

FIG. 7

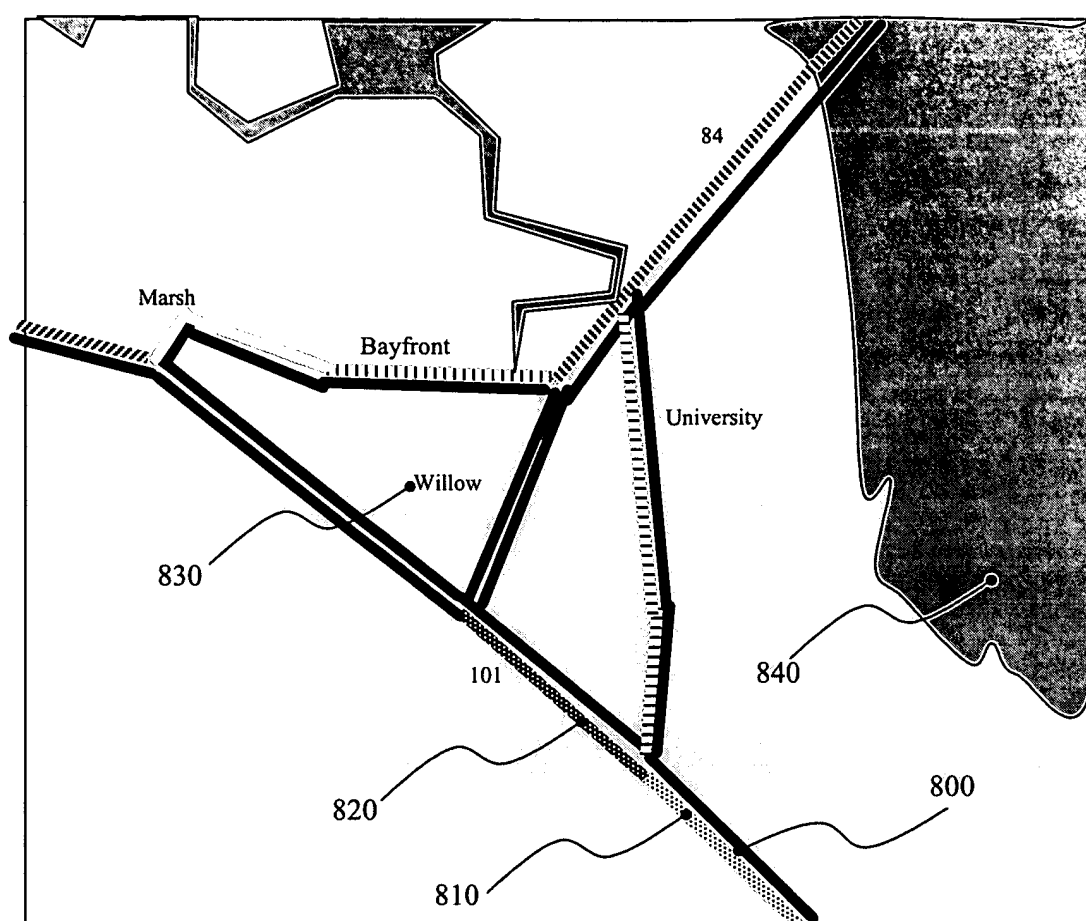


FIG. 8



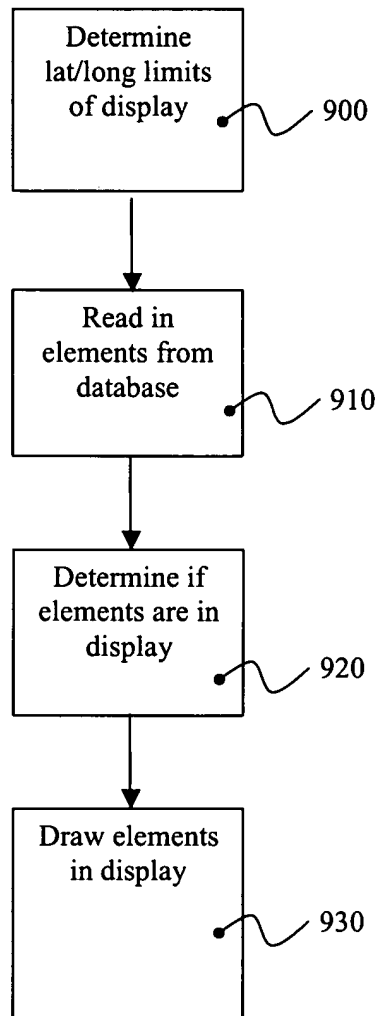


FIG. 9

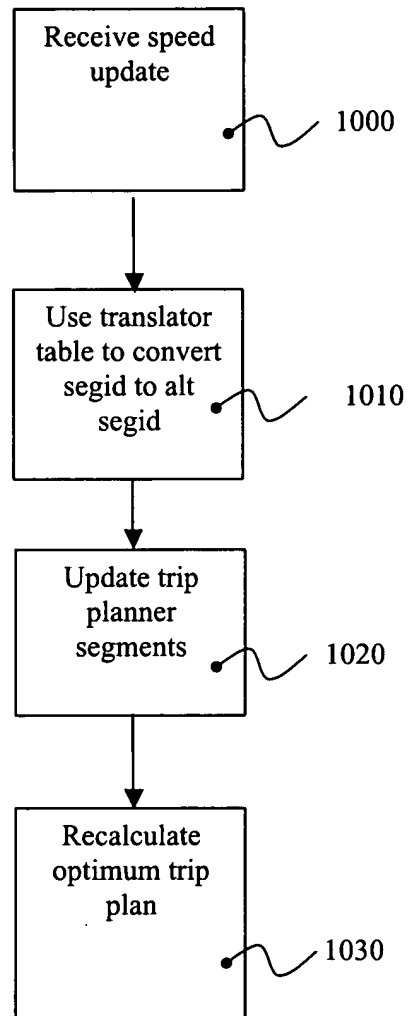


FIG. 10

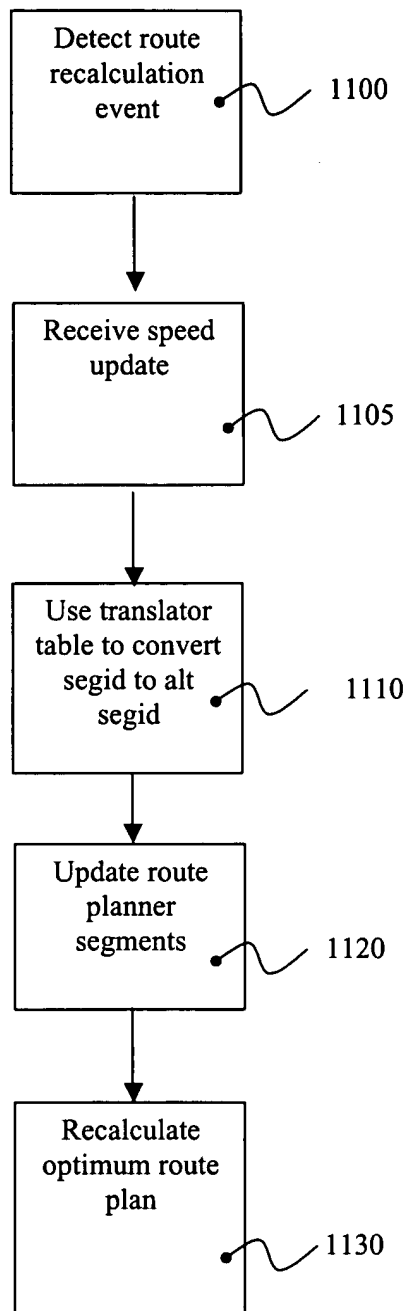


FIG. 11

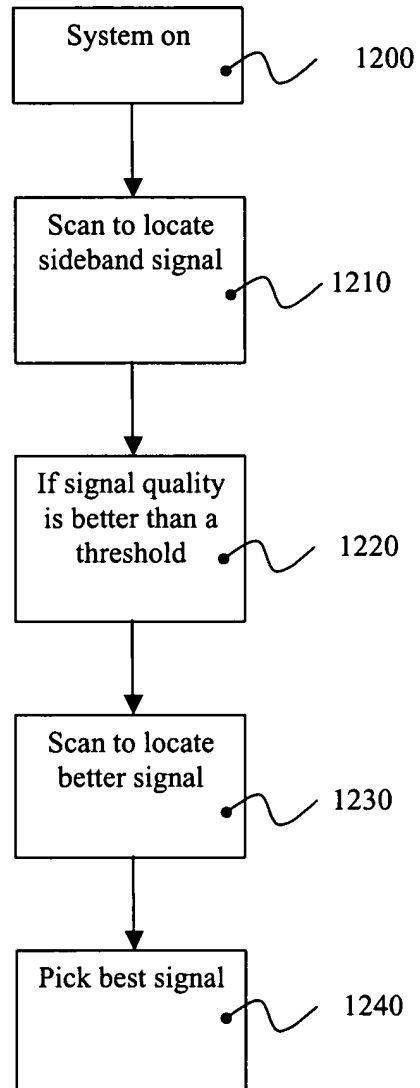


FIG. 12